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APPLICATION NO),	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/935,870		08/23/2001	Gang Luo	9920 (NCRC-0053-US)	9464
26890	7590	12/31/2003		EXAM	INER
JAMES N	1. STOVI	ER	CORRIELUS, JEAN M		
NCR COR 1700 SOU		ON ERSON BLVD, WHO	ART UNIT	PAPER NUMBER	
DAYTON, OH 45479				2172	2_
				DATE MAILED: 12/31/2003	3

Please find below and/or attached an Office communication concerning this application or proceeding.

		1924				
	Application No	Applicant(s)				
	09/935,870	LUO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Jean M Corrielus	2172				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wi	ith the correspondence address				
, _	N. R. 1.136(a). In no event, however, may a reply within the statutory minimum of thin riod will apply and will expire SIX (6) MON atute, cause the application to become AB ailing date of this communication, even if the status of the status	eply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communication. SANDONED (35 U.S.C. § 133). Itimely filed, may reduce any				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims	-					
4) ☐ Claim(s) 1-31 is/are pending in the applicat 4a) Of the above claim(s) is/are witho 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17 and 23-31 is/are rejected. 7) ☐ Claim(s) 18-22 is/are objected to. 8) ☐ Claim(s) are subject to restriction an	drawn from consideration.					
Application Papers						
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the cortain the cortain of the cortain the cortain and the cortain the c	accepted or b) objected to the drawing(s) be held in abeyan rection is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. §§ 119 and 120						
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a 13) Acknowledgment is made of a claim for dome since a specific reference was included in the 37 CFR 1.78. a) The translation of the foreign language 14) Acknowledgment is made of a claim for dome reference was included in the first sentence of	ents have been received. ents have been received in A priority documents have been reau (PCT Rule 17.2(a)). list of the certified copies not estic priority under 35 U.S.C. e first sentence of the specifical provisional application has be estic priority under 35 U.S.C.	pplication No received in this National Stage received. § 119(e) (to a provisional application) ation or in an Application Data Sheet. een received. §§ 120 and/or 121 since a specific				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s	5) 🔲 Notice of Ir	summary (PTO-413) Paper No(s) Iformal Patent Application (PTO-152)				
J.S. Patent and Trademark Office PTOL-326 (Rev. 11-03) Office	e Action Summary	Part of Paper No. 2				

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DETAILED ACTION

1. This first office action is in response to the application filed on August 23, 2001, in which claims 1-31 are pending for examination.

Drawings

2. Applicants are required to furnish the formal drawings in response this office action. No new matter may be introduced in the required drawing. Failure to timely submit a drawing will result in **ABANDONMENT** of the application. (See attachment for PTO-948).

Claim Rejections - 35 U.S.C. § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35

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U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1-17 and 23-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Anjur et al (hereinafter "Anjur") US Patent Application Publication no. 2002/0198863.

As to claim 1, Anjur discloses the claimed features "providing random number generators in the plurality nodes" (page 2, [0017]-[0020]); "generating in parallel random numbers using the random number generators in the plurality nodes" (page 3, [0037]; page 4, [0046]-[0048]); and "performing random sampling using the generated random numbers" (page 4, [0039]-[0040]).

As to claim 2, Anjur discloses the claimed "proving random number generators in a t least some of the plurality nodes" (page 4, [0046]-[0048]).

As to claim 3, Anjur discloses the claimed "using at least one other random number generator to generate random numbers provided as to the first set of random number generators" page 4, [0046]-[0048]).

As to claim 4, Anjur discloses the claimed "determining a number of random samples to select in each node based on the generated random numbers in the node"page 4, [0046]-[0048]).

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As to claim 5, Anjur discloses the claimed "providing a plurality of parameters" (col.); "adjusting values of the parameters based on values of the random numbers" (col.); and "determining a number of random samples to select based on the parameters" (col.).

As to claim 6, Anjur discloses "associating the parameters with corresponding predefined ranges" (page 4, [0043]-[0048]); "determining which range each random number falls within" (page 4, [0046]-[0048]); and "adjusting the value of the one of the parameters based on the determined range of each random number" (page 4, [0046]-[0048]).

As to claim 7, Anjur discloses the claimed "incrementing the value of the parameter" (page 4, [0046]-[0048]).

As to claim 8, Anjur discloses the claimed "wherein incrementing the value of the one parameter occurs in response to each occurrence of a random number in the determined range" (page 4, [0046]-[0048]).

As to claim 9, Anjur discloses the claimed "wherein incrementing the value of the one parameter occurs in response to each occurrence of a random number in the determined range" (page 4, [0046]-[0048]).

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As to claim 10, Anjur discloses the claimed "communicating certain of the parameters between nodes each node determining the number of random samples based on the communicated parameters" (col.).

As to claim 11, discloses the claimed "defining plurality plural ranges" (page 4, [0041]-[0048]); "counting a number of occurrences of random numbers in each of the plural ranges" (page 4, [0041]-[0048]).

As to claim 12, Anjur discloses claimed "storing plural parameters having values set to represent the number of occurrences of random numbers in corresponding ranges" (page 4, [0041]-[0048]).

As to claim 13, Anjur discloses the claimed "generating random number seeds at one node" (page 2, [0017]-[0020]); "sending the random number seeds to plural nodes from the one node" (page 3, [0037]; page 4, [0046]-[0048]); and "the random number generators in the plural nodes using corresponding random number seeds" (page 4, [0039]-[0040]).

As to claims 14-17:

Claim 14-17 are for systems performed by the method of claims 1-13. They are, therefore, rejected under the same rationale.

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As to claims 23-31:

Claims 23-31 are for article comprising at least one storage medium storing instructions performed by the method of claims 1-13. They are, therefore, rejected under the same rationale.

Allowable Subject Matter

5. Claims 18-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Reason For Allowance

6. The following is an examiner's Statement of Reasons for Allowance:

The present application has been thoroughly reviewed. Upon searching a variety of databases, the examiner respectfully submits that the cited features --wherein the plural nodes comprises nodes I, I=1-L, wherein the first random number generator is adapted to generate random number seeds si, I=1-L, and wherein the one node is adapted to send each random number seed si to node I" as recited by the independent claims 18 and in conjunction with all the limitations of the dependent claims are not taught or suggested by the prior art made of record (PTO-892 and 1449), either alone or in combination. Therefore, claims 18-22 are hereby allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

7. Any inquiry concerning this communication or early communication from the Examiner

should directed to Jean M. Corrielus whose telephone number is (703) 306-3035. The Examiner

can normally be reached on Tuesday-Friday from 7:00am to

8.5:30pm. If attempts to reach the Examiner by telephone are unsuccessful, the examiner's

supervisor, Kim Vu, can be reached on Monday-Friday from 9:00 a.m.-6:00 p.m. at (703)305-

4393.

Any response to this action should be mailed to: Commissioner of Patents and

Trademarks Washington, D.C. 20231

or faxed to: (703) 872-9306, (for formal communications intended for entry)

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Or: (703) 872-9306 (for informal or draft communications, please label "PROPOSED" or "DRAFT") Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the group receptionist whose telephone number is (703) 305-9600.

ean M. Corrielus

Primary Examiner

December 29, 2003